

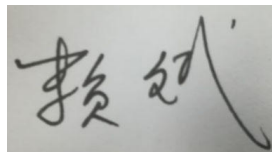


福州市瀚宇正达电子有限公司

Word Easy Electronics Co.,Ltd.

规格承认书

SPECIFICATION FOR APPROVAL



日期 2022/10/27
Date

编号 22102701
File No

版本 1.0
Revision

客户 星网

CUSTOMER: _____

客户料号 DR4 (WIFI 1)

CUSTOMER NO: _____

品名 WIFI Antenna L=80mm MHF

PART NAME: _____

供方料号 WE007N.P0029.V01

SUPPLIER NO: _____

送样日期Date: 送样数量Q “TY:

客户确认CUSTOMER APPROVED BY

APPROVAL

CHIEF

SUPERVISOR

供方确认 SUPPLIER SIGNATURE

APPROVAL

CHECK

DESIGN

Hunter

Zhou Hongtao

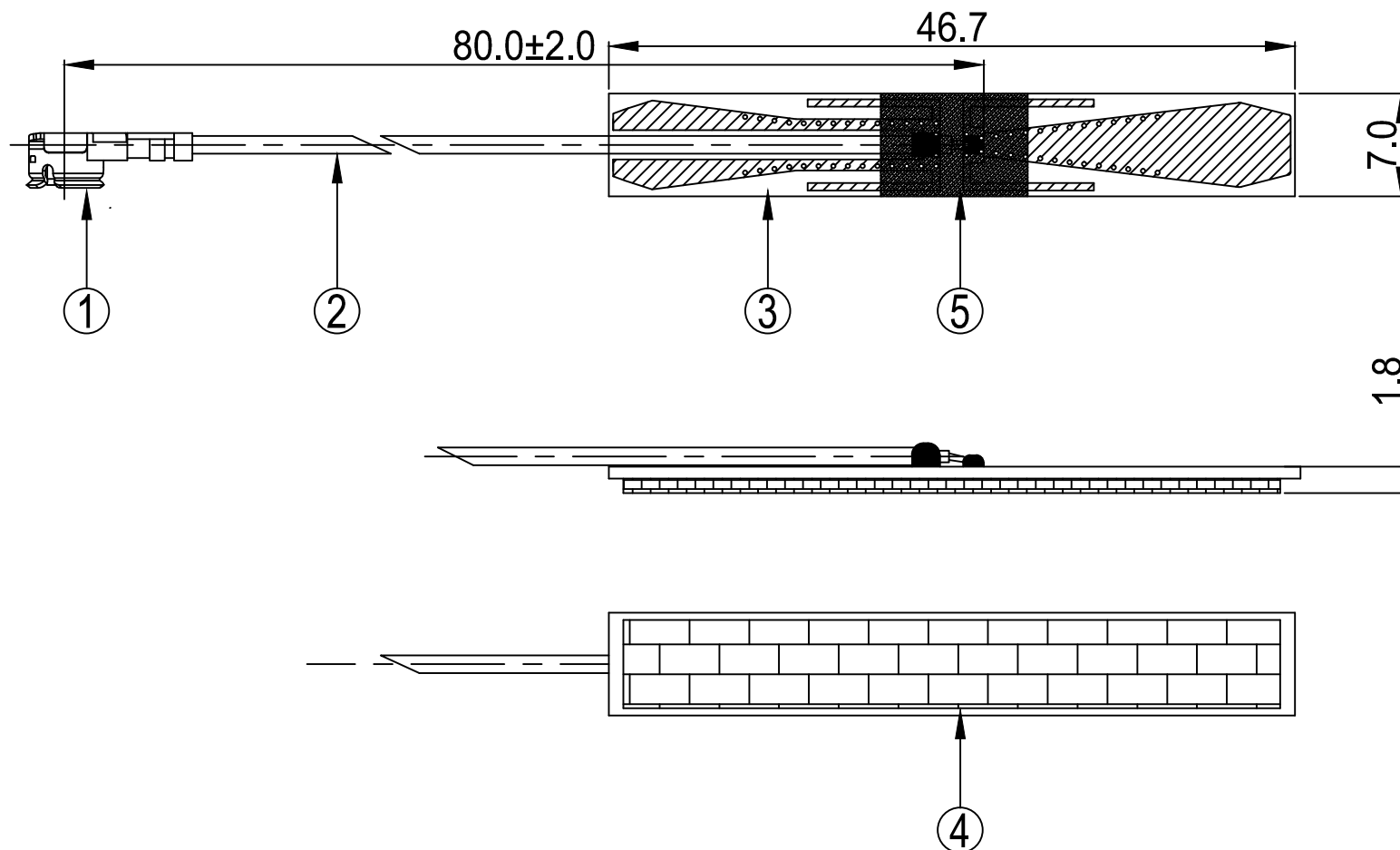
Fang

WE-RD-F01-A

RoHS

Compatible

REV.	DESCRIPTION	DATE
A	首次发行	2022.10.13
B		



5	Acetate Cloth	10.0*8.0MM	Acetate Cloth	FAB0002.V01	1
4	EVA	44.0*6.0*T1.0MM	3M+EVA	EVA0027.V01	1
3	PCB Black	46.7*7.0*T0.8MM	PCB	PCB0067.V01	1
2	Coaxial Cable	O.D.1.13 Gray	O.D.1.13	CAB0113.V02	1
1	Mini Connector	1代I-PEX	Cu	MET0XD1.V01	1
NO	PART NAME	DESCRIPTION	Material	Part Number	Q.TY

		福州市瀚宇正达电子有限公司		Tel :0591-22628085	
		World Easy Electronics Co.,Ltd.		Fax:0591-22627656	
PART NAME: WiFi Antenna L=80mm MHF					
PART NO.: WE007N.P0029.V01				DATE: 2022-10-13	
APPROVED BY	CHECKED BY	DESIGNED BY		Tolerance	
		周红涛	UNITS: mm	X.X ±0.50	
			SCALE: 1/1	X.XX±0.15	
			REVISION: A	X° ±3°	



天线规格

Antenna Specification

Electrical Properties

Frequency	2400-2500MHz 5150~5850MHz
Impedance	50 Ohm Nominal
V.S.W.R	<2.0
Return Loss	<-9.4
Radiation	Omni-directional
Gain (Peak)	2.6dBi@2400-2500MHz 3.8dBi@5150~5850MHz
Polarization	Linear
Connector	1代I-PEX

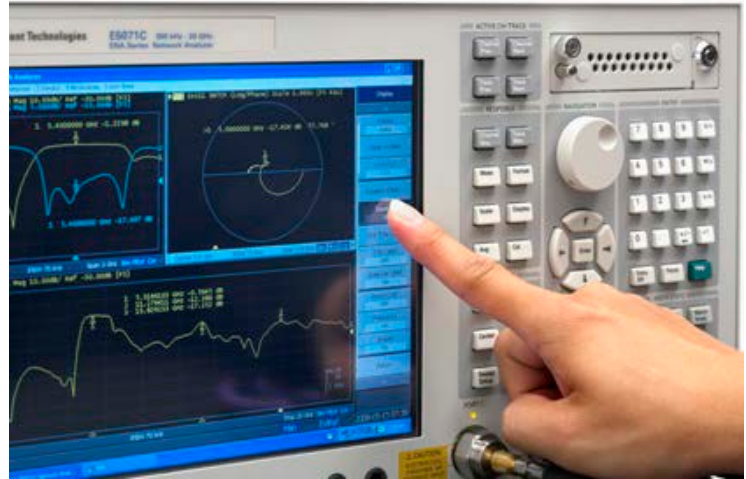
Physical Properties

Antenna Material	PCB
Cable Type	O.D.1.13//L=80mm
Operating Temp.	-10 ~ +60 °C
Storage Temp.	-10 ~ +70 °C
Cable Color	Gray

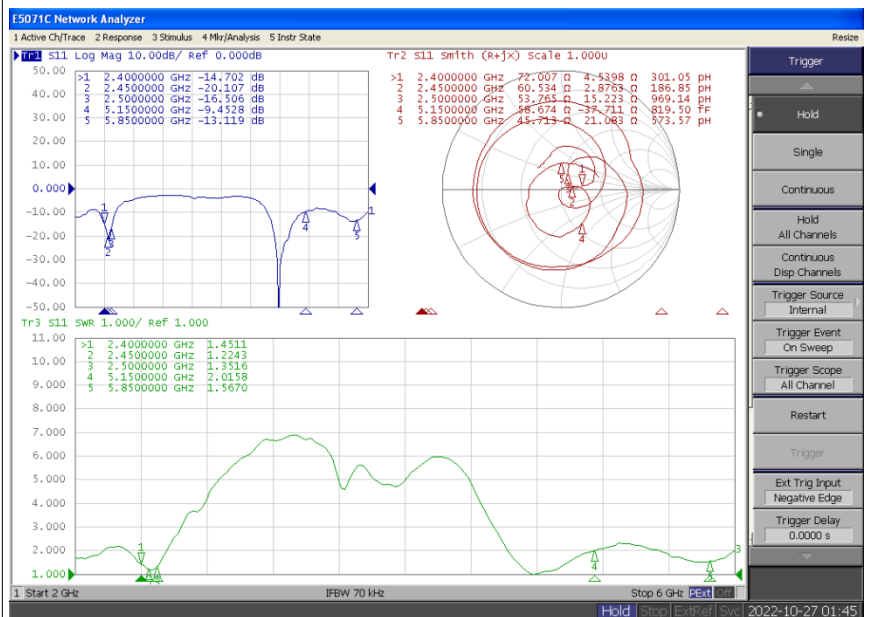


Antenna Performance Test

**Agilent
E5071C**

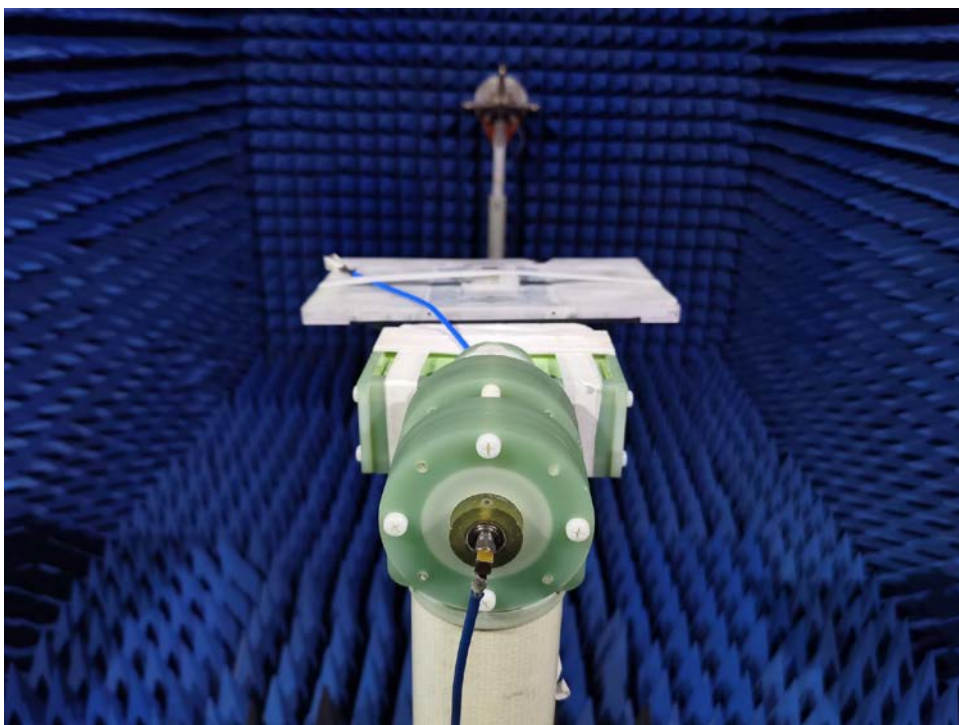


**S
Parameter
Test //
WIFI 1**





Antenna Passive Test





Passive Test For WIFI 1 (2.4G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	44.1	-3.6	2.2
2410	49.3	-3.1	2.6
2420	47.5	-3.2	2.4
2430	48.6	-3.1	2.4
2440	52.6	-2.8	2.5
2450	51.9	-2.9	2.3
2460	55.8	-2.5	2.4
2470	47.8	-3.2	1.8
2480	49.5	-3.1	2.0
2490	47.3	-3.3	1.8
2500	51.3	-2.9	1.9

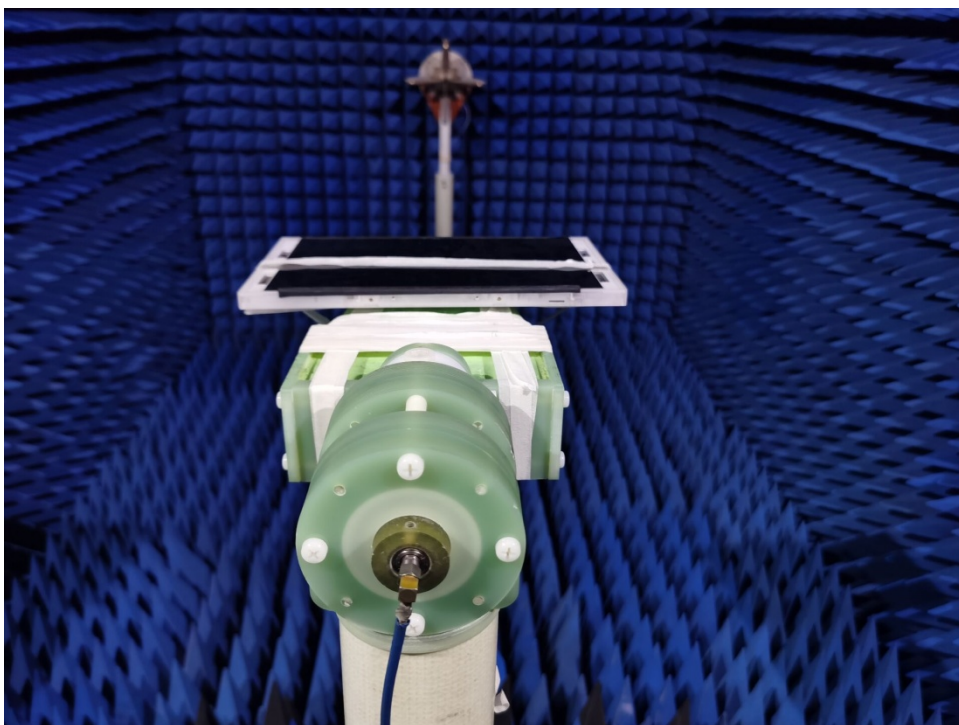
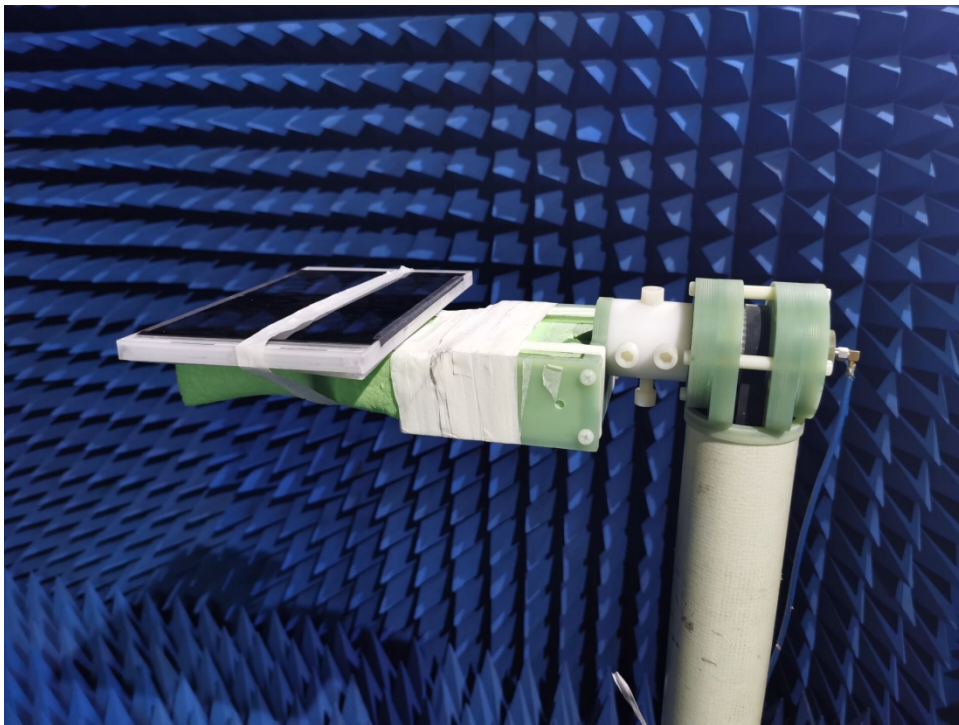


Passive Test For WIFI 1(5.8G)

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
5150	49.2	-3.1	3.0
5200	43.6	-3.6	1.9
5250	42.9	-3.7	2.0
5300	43.0	-3.7	2.4
5350	48.7	-3.1	2.9
5400	49.7	-3.0	3.2
5450	47.8	-3.2	2.7
5500	45.4	-3.4	2.3
5550	46.6	-3.3	2.8
5600	46.5	-3.3	2.7
5650	50.2	-3.0	3.5
5700	52.6	-2.8	3.8
5750	54.7	-2.6	3.2
5800	51.6	-2.9	2.4
5850	50.0	-3.0	2.8



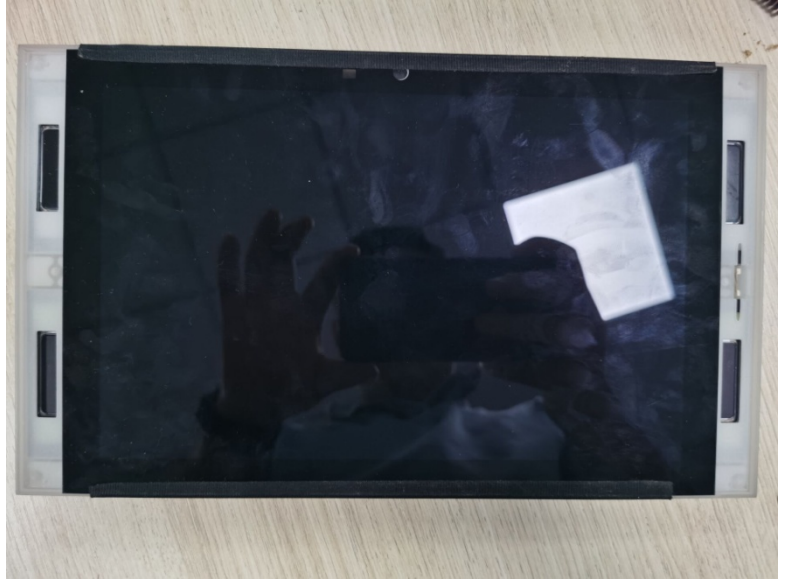
Antenna Active Test



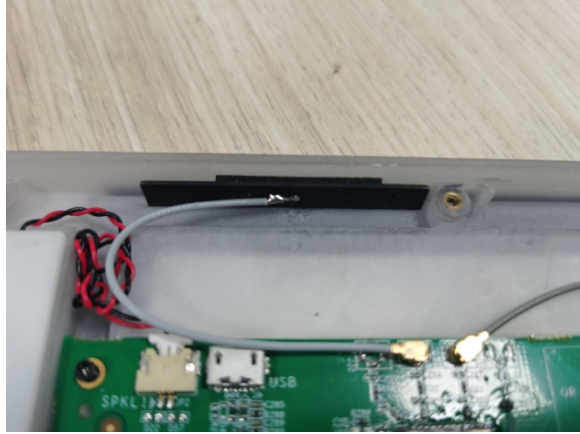


Antenna Profile

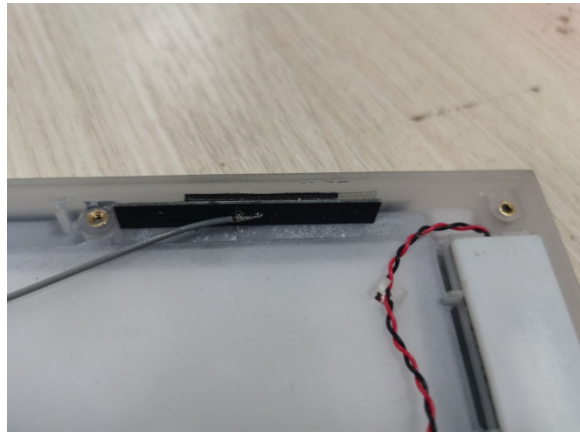
Device



WIFI1



WIFI2



Antenna



Assembly Drawing

WIFI 1 Antenna

WIFI 2 Antenna

